

# Tuoyo EDE

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## RESEARCH OBJECTIVE

I am enthusiastic about mapping and characterizing both primary and secondary structures within diverse sedimentary depositional settings. My focus is on establishing connections between various aspects of stratigraphy and the formation and accumulation of petroleum in different sedimentary basins. Employing advanced techniques such as sequence stratigraphy and 3D facies modeling, I aim to gain a comprehensive understanding of the evolution of sedimentary strata and the processes contributing to petroleum generation. I am committed to leveraging my expertise to contribute significantly to my team's objectives and advance our collective goals in this field.

## PROFESSIONAL PROFILE

With more than 15 years of hands-on experience in tutoring individuals of various age groups, both in-person and through online platforms, I bring a wealth of expertise to facilitate the academic progress of my students. My extensive problem-solving skills have been instrumental in guiding pupils towards the realization of their goals. Additionally, I possess over 15 years of dedicated research experience, aiding individuals in their research endeavors.

Demonstrating initiative and leadership, I have spent four years establishing and leading an institution focused on empowering young minds to excel academically and in their research pursuits. My commitment lies in fostering an environment that supports the educational and research aspirations of the next generation.

## EDUCATION

**Nnamdi Azikiwe University**, Awka, Anambra State, Nigeria 2018  
**Doctor of Philosophy, Petroleum Geology and Sedimentology**

**University of Nigeria**, Nsukka, Enugu State, Nigeria 2009  
**Master of Science, Petroleum Geology**

**University of Nigeria**, Nsukka, Enugu State, Nigeria 2005  
**Bachelor of Science, Geology**

## PROFESSIONAL AFFLIATION

- Student Member, American Association of Petroleum Geologist (AAPG) **7888-4**
- Student Member, Nigerian Association of Petroleum Explorationists (NAPE) **ST20044033**
- Student Member, Society of Petroleum Engineers (SPE)
- Member, Nigerian Mining and Geosciences Society (N.M.G.S formerly NAGAMS)

## SCHOLARSHIPS/AWARDS

**OIL AND GAS ACADEMY** (Scholarship Recipient). 2011

**NIGERIA-SAOTOME & PRINCIPE JOINT DEVELOPMENT AUTHORITY** 2009

(2008 Postgraduate Scholarship Recipient -JDA ZONE 4).

**Petroleum Technology Development Fund** (Local Scholarship Scheme Recipient for M.Sc.) 2008/2009

**CHIKE ONYEJEKWE NAPE-UAP** Grant for Postgraduate students 2008

**Federal Government** (Scholarship Recipient) 2001

## AREAS OF RESEARCH INTEREST

Educational Techniques, Inorganic and Organic Geochemistry, Mining Techniques and Mineralogy, Petroleum Geology, Formation Evaluation, Sedimentology and Stratigraphy, Environmental Geology

## WORK EXPERIENCE

**Mountain Top University, Km 12 Lagos-Ibadan Expressway, Prayer City, Nigeria.** Nov. 2023 - Date  
*Lecturer II*

- Execute all responsibilities delegated to me by the department with diligence and precision.
- Deliver lectures on the designated undergraduate and postgraduate courses, ensuring comprehensive and engaging instruction.

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- Provide effective supervision and guidance to both undergraduate and postgraduate students entrusted to my care, utilizing my expertise to foster their academic growth and development.

## **Prestige Tutorials, 7<sup>th</sup> Avenue J1 Close, Lagos State, Nigeria**

**January 2019 - Date**

*Senior Teaching and Research Facilitator*

- Successfully tutored Science and Social Science subjects for an annual cohort of fifty to sixty students over the past three years.
- Assumed a leadership role by overseeing five facilitators and an administrative staff within the educational institution.
- Conducted and proofread twenty research projects spanning diverse fields.
- Instructed a group of twenty students, comprising six undergraduates and fourteen M.Sc. students, on the intricacies of conducting research across various domains such as Water quality in Urban Areas, Physicochemical analyses, Hydrocarbon analyses of source rocks, and HSE practices in construction firms.
- Pioneered the development of a mental agility tool known as the "White Board," designed to accelerate the processing, storage, and retrieval of mental information for secondary and primary school learners. In progress is the transformation of this tool into a software application, exhibiting a remarkable 90% success rate among 80 students.
- Demonstrated a significant impact on academic performance, elevating ten underperforming students from fail to credit grades and transforming sixty average performers into high achievers, with notable advancements from C to B and B to A grades.
- Achieved outstanding results with all J.S.S.3 and S.S.S.3 students in external examinations, with a majority securing A and B grades across various subjects.
- Fostered an interactive and engaging learning environment, encouraging student participation, questioning, and critical thinking.
- Guided fourteen postgraduate students in diverse research areas, including International Management, International Strategy, Financial Management, Marketing Management, Earth Sciences, Environmental Studies, Water Quality, Physicochemical analyses, and Microbial analyses.

## **Tutera (An Online Teaching Platform)**

**January 2018 - Date**

*Independent Teacher/ Facilitator*

- Instructed and assessed a cohort of ten students across a diverse range of subjects, including Physics, Mathematics, English Language, Biology, Chemistry, Geography, Economics, Basic Science, Basic Technology, Vocational Aptitude, Social Studies, Numeracy, Quantitative Reasoning, and Verbal Reasoning.
  - Facilitated remarkable academic achievements, guiding all ten students to attain very good to excellent results in each subject taught.
  - Introduced the innovative "white board" concept to enhance memory retention and cognitive agility among the students.
- Provided tutoring and assessment for ten pupils in subjects such as Vocational Aptitude, Social Studies, Numeracy, Quantitative Reasoning, Verbal Reasoning, and English Language.
  - Achieved outstanding academic outcomes by assisting all ten pupils in securing very good to excellent results across the subjects.
  - Implemented the "white board" concept, contributing to improved memory retention and cognitive agility for the pupils.

## **Oil and Gas Academy, Port Harcourt, Rivers State, Nigeria**

**2011 - 2012**

*Graduate/ Research Trainee*

- Orchestrated a comprehensive awareness and publicity campaign for the company, targeting the oil and gas sector in Lagos.
  - Distributed brochures and flyers to thirty (30) oil and gas companies and service-related entities.
  - Catalogued contact persons within the visited companies.
  - Effectively communicated the contents of the brochures, resulting in a 50% engagement rate from contacted companies.
- Contributed as judge/logistics personnel during Exploration and Production (E/P) trainings organized by the company.

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- Managed the procurement and distribution of materials, including writing and training materials, for participants.
- Oversaw participant registration and was responsible for the grading of scripts during the training sessions.
- Actively involved in the ongoing research efforts conducted by the company.
  - Conducted research to assess the hydrocarbon quality and potential of carbonaceous rocks in the Abakaliki Anticlinorium, S.E. Nigeria.
  - Investigated the nature of carbonaceous rocks to ascertain if they qualify as oil shales.
  - Determined the organic maturity of carbonaceous rocks.
- Secured a sponsorship totaling ₦2.5 million over eight (8) years for my Ph.D. research focused on investigating the hydrocarbon/shale gas potential of Cretaceous formations, contributing valuable insights to the company's research endeavors.

## **SARZINA Nigeria, Lagos, Nigeria**

**Feb 2010 - Dec 2010**

*Supervisor/Procurement Officer/Safety Officer*

- Orchestrated the procurement of construction materials totaling ₦2 million for three significant projects at GlaxoSmithKline (GSK) Agbara Industrial Estate in Ogun State and Ilupeju, Lagos State.
- Managed diverse responsibilities, including the disbursement of payments to construction workers, resolution of disputes among the workforce, coordination with GSK safety officers, transportation of construction materials, and overall logistical support for the projects.
- Provided on-site supervision for three construction projects, ensuring their successful completion and submission to GSK company.
- Held the role of Safety Officer, ensuring strict adherence to safety protocols outlined by GSK.
  - Successfully maintained a safe working environment, resulting in one near-miss incident but no recorded safety incidents.
  - Achieved a notable 20% improvement in safety records throughout my tenure, reflecting a commitment to a secure and hazard-free work environment.

## **Baptist High School, Ganaja, Kogi State., Nigeria.**

**Mar 2006 – Jan 2007**

*Science/Social Studies Teacher (NYSC)*

- Instructed Social Studies and Introductory Technology to approximately one hundred (100) JSS1-3 students, employing concise note-taking strategies to streamline their learning process and ignite enthusiasm for studying.
- Successfully completed the National Youth Service Corps (NYSC) program, leaving a lasting impact on approximately sixty (60) students who were inspired and excited about the opportunities for knowledge acquisition.

## **VOLUNTEER/LEADERSHIP EXPERIENCE**

### **Eko Project, Lagos State, Nigeria**

**2012 - 2013**

*Volunteer Teacher, Basic Science, Festac Junior Grammar School*

- Identified gaps in numerical, literacy, and fundamental sciences among Junior Secondary School Class Three students during the 2011/2012 session, a critical transition period to Senior Secondary School. Collaborating with a colleague from the Eko Project, we initiated daily intervention classes throughout the one-month holiday leading up to the Basic Education Certificate Examination (B.E.C.E). As a result, 70% of the 130 students achieved credit in the examinations, while the remaining students re-sat for the assessments.
- Conducted Basic Science classes for a cohort of one hundred and fifty (150) Junior Secondary School Three students at Festac Junior Grammar School. Participated actively in school events such as inter-house sports, assemblies, and field trips.
- Went beyond traditional teaching by imparting crucial life skills to the students. Offered guidance on effective study techniques, demonstrated the strategic use of the internet for educational purposes, and instilled the belief in their ability to realize their dreams. Utilized various teaching methods, including direct instruction, Q&A sessions, and inspirational videos showcasing individuals who have achieved their aspirations.

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- Enriched the Basic Science curriculum for the students by making it practical and tangible. Demonstrated the use of laboratory apparatus such as litmus paper, conical flasks, and burettes. Employed videos to illustrate experiments and encouraged students to relate scientific concepts to everyday activities, fostering a deeper understanding of the subject.

## **National Association of Geosciences and Mining Society (NAGAMS now NMGS)**

**2001 - 2002**

University of Nigeria, Nsukka, Enugu State Nigeria (UNN) chapter.

*Provost* (2001 Session)

- Elected to serve as a key officer within the student chapter of a professional body.
- Undertook a one-year tenure in the elected position.
- Responsible for ensuring the maintenance of law and order during all meetings conducted by the student chapter of the professional organization.

## **The Abiding Word Gathering (TAWG), University of Nigeria, Nsukka, Enugu State, Nigeria**

**2004 – 2005**

*Hall Pastor, 2004/2005 session*

- Served in an elected position within the fellowship.
- Maintained the role for a one-year term.
- Provided spiritual, emotional, and mental guidance to fellow students residing in the Alvan Ikoku Hall under my supervision.

## **PUBLIC SPEAKING ENGAGEMENTS**

### **D.O.A.M.F (Daniel Ogechi Akujobi Memorial Foundation) Holiday Program**

**2022**

*A foundation primarily focused to the enhancement of education and healthcare of the less privileged children.*

**Position:** *External Counselor/Mentor and Conference Speaker*

**Venue:** *Victoria Crown Plaza, Ajose, Victoria Island, Lagos*

**Topic:** *Dream BIG 2 Achieve*

- Inspire and motivate approximately fifty participants, ranging from primary pupils to tertiary students, to cultivate achievable aspirations.
- Illuminate the participants on the diverse nature of dreams, encompassing academic, sports-related, and entrepreneurial pursuits.
- Cultivate an awareness that their individual dreams can serve as solutions to personal challenges or broader societal issues.
- Emphasize the scalability of all dreams, highlighting the potential for impact on various levels.
- Guide participants in the establishment of specific goals, ensuring a clear roadmap for the realization of their respective dreams within defined timelines.
- Conduct personalized one-on-one counseling sessions with each participant, fostering accountability and commitment to the pursuit of their dreams.

### **D.O.A.M.F (Daniel Ogechi Akujobi Memorial Foundation) Holiday Program**

**2021**

*A foundation primarily focused on the enhancement of education and healthcare of the less privileged children.*

**Position:** *External Counselor/Mentor and Conference Speaker*

**Venue:** *Victoria Crown Plaza, Ajose, Victoria Island, Lagos*

**Topic:** *Inspired to Aspire*

- Inspire and motivate sixty participants, spanning primary pupils, secondary, and tertiary students, to establish achievable academic, sports, and entrepreneurial targets.
- Assist participants in crafting specific goals that contribute to the realization of their respective targets.
- Provide guidance on effective time management strategies to optimize productivity.
- Foster the development of problem-solving skills among participants.
- Conduct personalized one-on-one counseling sessions with each participant to assess their progress in target formation and goal setting, fostering accountability through mentorship.

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## LANGUAGE SKILLS

- English
- Pidgin English (West Africa)
- Yoruba

## LANGUAGE SKILLS WITH MINIMAL PROFICIENCY

- Itsekiri
- Urobo
- Igbo
- Hausa
- French

## SKILLS

- Public Speaking
- Tutoring
- Researching
- Problem Solving
- Social Media Savvy
- Stakeholder Management
- Event Logistics, Coordination and Management
- Microsoft Office Suite
- Inter-relational Skill
- Google classroom

## PAPERS/PUBLICATIONS

(\*=*Published* \*\*=*Presented*)

1. \*Ekweozor, C.M., Ede, D.T., Okoro, A.U. (2019). Definition of the Lokpanta Shale, Southern Benue Trough. Cretaceous Basins in Nigeria Workshop, Abuja, May 6 -7, Pp. 46 - 51.
2. \* Ezenwaka, K.C.; Obiadi, I.I.; Nwaezeapu, V.C.; Irumhe, E.P.; and Ede, D.T. 2018. Prediction of Reservoir Performance of Moby Field, Niger Delta Basin using Integrated Facies and Petro Physical Analyses. *Journal of Petroleum and Environmental Biotechnology*. 9 (3): 1-9
3. \*Ezenwaka, K.C.; Odoh, B.I. and Ede, T.A. 2015. Lithofacies Analysis and Depositional Environments of the Eocene Nanka Sands, as Exposed at Alor and Environs Southeastern Nigeria: Evidence from Field Study and Granulometric Analysis. *Journal of Natural Science Research*. 5(17):44-53
4. \*Anomneze, D.O.; Ede, T.A.; Ajaegwu, N.E, Okoro, A.U.; Ahaneku, C.V. and Ejeke, C.F. 2015. Proven and Possible Petroleum Plays of Eastern Niger Delta. *Journal of Petroleum Exploration and Production Technology*. 5:113–122
5. \*Ezenwaka, K.C.; Ugboaja, A. and Ede, T.A. 2014. Geotechnical Investigation for Design and Construction of Civil Infrastructures, in Parts of Port Harcourt City of Rivers State, Southern Nigeria. *The International Journal of Engineering and Sciences*. 3(8):74-82.
6. \*Obi, I.S.; Mode, A.W.; Obi N.M.; Ekwe, A.C.; Ekwenye O.C., Nnebedum O.D., and Ede, T.A. 2013. Paleocurrent Analysis as Tool for Reservoir Property Estimation: A Case Study of Eocene Outcrops in S.E Nigeria. *American Journal of Industrial and Scientific Research (Ajsir)*. 4(1): 137-152.
7. \*\*Clay Mineralogy and Burial Diagenesis of The Lokpanta Carbonaceous Shales, South-Eastern Nigeria. Author: Ede, T.A. Co- Authors: Ekweozor, C.M., Mode, A.W, Okoro, A.U and Obi, I.S.
8. Conference: Nigerian Mining and Geosciences Society (NMGS) 45<sup>th</sup> Annual International Conference. March 12, 2009.
9. \*\*Stratigraphy and Geochemistry of the Type Locality of a Super Source Rock System in the Eze-Aku Group of Abakaliki Anticlinorium, S.E. Nigeria. Author: Ede, T.A., Co- Authors: Ekweozor, C.M., Mode, A.W. and Okoro, A.U.
10. Conference: 7th International Conference and Exhibition on Petroleum Geochemistry and Exploration in Afro-Asian Region, Abuja, Nigeria. October 20, 2008.

## REFEREES

### Prof. A. U. Okoro

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Anambra State.

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